



P95-AR255

This TDS describes an approved Hydrolysis resistant casted polyurethane H-PU compound with good mechanical and chemical resistances. This compound is intended for production of static and dynamic gaskets.

It has better stability and physical properties at higher temperatures and outstanding thermal ageing resistance compared to other H-PU and it is recommended for applications where temperature and mechanical stress of the material reach the limits of standard polyurethanes.

HD SLIPPERS SRL certify that
P95-AR255 meets the following approvals

- The compound P95-AR255 (U520-OR95-HT) has passed the RGD test at Element UK with a rating of 0000.

Test conditions according to Norsok M-710 were 8 decompression cycles with 90% methane + 10% carbon dioxide gas at 100 °C and 150 bar test pressure.

HD SLIPPERS SRL
legal representative





P95-AR255

PROPERTY	METHOD	UNITS	VALUE
Color			Orange
Specific gravity	DIN 53479	g/cm ³	1,09 ±0,03
Hardness	DIN 53505	Sh.A	96 ±2
Tensile strength	DIN 53504	N/mm ²	≥ 45
Elongation	DIN 53504	%	≥ 350
Modulus 100%	DIN 53504	N/mm ²	≥ 10
Tear resistance	DIN 53515	kN/m	≥ 110
Service temperature (min-max)	/	°C	-30/+135
Compression set			
25% - 24 hrs at 70 °C	DIN 53517	%	≤ 25
25% - 24 hrs at 100 °C	DIN 53517	%	≤ 30
25% - 24 hrs at 125 °C	DIN 53517	%	≤ 65

CHEMICAL RESISTANCE GUIDELINE

R = Resistant		NR = Not Resistant	
<u>Chemical group / Media</u>	<u>Rating</u>	<u>Chemical group / Media</u>	<u>Rating</u>
Acids and Lyes (concentrated)	NR	Sea water	R
Acids and Lyes (diluted)	R	Silicone Oils	R
Alcohols (concentrated)	NR	Solvent	NR
HFA Fluid	R	Steam	NR
HFB Fluid	R	Vegetable Oils	R
HFD Fluid	NR	Water up to 90 °C	R
Mineral Oils	R		
Oxygen (cold)	R		

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